

Rec'd

MAY 2004

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/05565

640

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/00 G11B7/013 G11B7/12 G11B7/125 G11B7/135

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 814 464 A (TOKYO SHIBAURA ELECTRIC CO) 29 December 1997 (1997-12-29) column 12, line 30 - line 42; figure 8 column 13, line 40 - column 14, line 1; figure 13 column 17, line 3 - line 9	1,2,7,8
X	US 5 605 782 A (PUT PAUL L M ET AL) 25 February 1997 (1997-02-25) column 17, line 51 - column 18, line 11; figures 20,21	5
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 223326 A (SANYO ELECTRIC CO LTD), 26 August 1997 (1997-08-26) abstract	3,4,6
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*G\* document member of the same patent family

Date of the actual completion of the International search

25 March 2004

Date of mailing of the International search report

02/04/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 6 233 209 B1 (VERBOOM JOHANNES JACOBUS)  15 May 2001 (2001-05-15)  column 4, line 56-61; figure 3  -----</p>	8

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 03/05565

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 9  
because they relate to subject matter not required to be searched by this Authority, namely:  
Claim 9 apparently should have referred to claim 7 but not claim 8. As claim 9 simply stipulates a computer program, it has not been search by virtue of R.67.1(vi).
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/05565

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0814464	A	29-12-1997	AU 3190297 A	07-01-1998
			DE 69727101 D1	12-02-2004
			EP 0814464 A2	29-12-1997
			WO 9749083 A1	24-12-1997
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			DE 69426482 T2	12-07-2001
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			EP 1044450 A1	18-10-2000
			JP 2002522858 T	23-07-2002